

## **ABSTRACT**

A recording medium cartridge with a recording medium and cartridge memory records a first CRC code produced from data of the recording medium in the cartridge memory in an unrewritable state. A recording/reproducing apparatus for recording/reproducing the recording medium cartridge is provided with a CRC code producing means, CRC code recording means, CRC code comparing means, and authentication determining means. The comparing means compares a fourth CRC code produced from data recorded in the recording medium with the first CRC code corresponding to the data recorded in the cartridge memory. The authentication determining means determines authentication of the data recorded in the recording medium based on a comparison result of the comparing means.